

S/N 09/476,219

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Robert J. Fite

Examiner: Y. J. Han

Serial No.: 09/476,219

Group Art Unit: 2838

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Docket: 884.182US1

Title: NON-LINEAR ADAPTIVE VOLTAGE POSITIONING FOR DC-DC CONVERTERS

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Commissioner for Patents  
Washington, D.C. 20231

Applicant has reviewed the Office Action mailed on October 24, 2000. Please amend the above-identified patent application as follows.

IN THE DRAWINGS

The drawings were objected to under 37 CFR 1.83(a) and MPEP § 608.02(g). Corrected drawings are submitted herewith.

IN THE SPECIFICATION

A1 On page 5, line 21, after "a high voltage level VI(k)", insert the text " , which corresponds to the minimum current voltage level. The minimum current voltage level VI(k) is the voltage at a nonzero minimum current level I(k) rather than a zero current level I(o) , as is shown in Figure 3".

A2 On page 8, line 1, please insert after "at 302 of Figure 3." the sentence "Similarly, a voltage signal with a nonlinear voltage response may be added to the output of a DC-DC converter or other voltage source and achieve a like result."

IN THE CLAIMS

Please amend the claims as follows:

- A3
1. (Amended) A method of providing a voltage from a DC-DC converter such that the voltage provided varies dependent on the current drawn from the DC-DC converter, comprising:  
sensing a current drawn from the DC-DC converter; and  
adjusting the voltage provided from the DC-DC converter such that the voltage is at a maximum current voltage level when the current drawn is at a maximum load current level and